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ABSTRACT

This paper reviews computer software designed for the development, management, and updating of Individual Educational Plans (IEPs) for disabled students. Selection criteria required that the software perform multiple tasks related to the writing of IEPs, be appropriate for use in a medium-sized school district, and be appropriate for a severely handicapped population. The software identified was most frequently available for Apple systems, followed by Radio Shack and IBM personal computers. The systems' functions include, among others: developing, organizing, storing, editing, and retrieving a data bank of goals, objectives, and resources; storing student's objectives, evaluative criteria for objectives, and strategies and materials for curricular areas; developing treatment plans, service plans, lesson plans, and curricula; cross tabulating and statistical summary capabilities; and monitoring due process and procedural safeguards. For each of the almost 60 software programs listed, the following information is provided: title, publisher's name and address, computer system the software can be used on, cost, remarks on the software's utility, and information source. (JDD)

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A Review of Current Computer Software For the Development of Individualized Educational Programs[1]

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Running head: IEP Software

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A Review of the Current Computer Software For the Development of Individualized Educational Programs

An important sub-component of the Data-Based Decisions Project is the investigation of the use of microcomputers for information management within classroom settings, and the use of computer technology in the development, management and updating of Individual Educational Plans. Information management programs have the potential to facilitate the IEP planning process. Many of the existing programs list a variety of curricular goals and objectives, and several also allow for the modification and/or addition of data in order to reflect the goals of individual school districts. As goals are accomplished or objectives are changed, IEPs can be revised by the teachers. Computer storage capability also allows permanent records of all IEPs to be maintained.

An important information management function which may also be performed by the use of this technology is the collection and maintenance of environmental inventories. Using "top down" or future oriented procedures, the development of curriculum goals is accomplished through the analysis of each student's current and future environments to identify needed domestic, leisure-recreation, community and vocational skills. This survey results in the targeting of the critical skills frequently required of the student in order to function most effectively within various natural environments. This process requires a program that allows a teacher to apply prioritization rules to the larger set of skills identified through the survey of the student's environment, in order to determine a smaller set of more critical skills.

In the following review of software for IEP development, programs that specified exceptionalities such as learning disabilities or communication

disorders were not included. Although the list is by no means exhaustive, it does include many of the IEP programs that are available for use in classrooms for persons with severe handicaps.

Sources

In August, 1983 the San Juan Unified School District completed a report prepared under a special study grant from the California State Department of Education. The purpose of this study was to identify and evaluate all major computer systems used to assist in the development of IEPs in order to assess the extent and practicality of computer use in writing IEPs in California. The study was updated in 1984 and included descriptions of thirty-six computer-assisted IEP systems.

The SPECIALWARE DIRECTORY, published by LINC Associates, is a comprehensive listing of over three hundred software programs available for special education. "SpecialWare" refers to both instructional courseware and administrative software that has been designed for special education or judged useful by professionals who work with handicapped students. The second edition of the directory was published in 1986 and is available in electronic formats.

The Special Education Software Center gathers and disseminates information about microcomputer software that is developed or adapted for use in the education of handicapped learners. In February, 1986, the Center's database listed over three hundred fifty software titles and descriptions. The Center is operated by SRI International of Menlo Park, California in cooperation with LINC Resources of Columbus, Ohio and the Council for Exceptional Children of Reston, Virginia.

The Center for Special Education Technology is a federally funded program that collects and exchanges information about using technology in the education of handicapped children. Based at the Council for

Exceptional Children in Reston, Virginia, the Center reviews many sources in order to identify technological advances such as voice-response technology, slow-scan television, assistive devices, microcomputers and videodisc, and educational applications in instruction, communication, and management.

Criteria for Selection

This review of IEP software was completed in the spring of 1986. No work of this nature is ever totally inclusive, and undoubtedly, new software has been developed since this list was compiled. More than fifty computer-assisted IEP systems were identified and brief descriptions of cost, hardware, and utility were included as available. Several programs were not included because they did not meet the criteria established by the project. These criteria for selection included that the software perform multiple tasks related to the writing of IEPs, be appropriate for use in a medium-sized school district, and be appropriate for a severely handicapped population.

Cost

The cost of IEP systems varies from a few hundred dollars to nearly fifteen thousand dollars. Optional objectives disks and additional administrative modules or network options will increase the cost of the basic system. Service bureaus provide printed IEPs and management reports for a fixed fee per student. Several school systems offer objective banks at minimal cost.

Hardware

Although the majority of the software is available for a variety of computer systems, Apple systems are most frequently listed. Many of the programs are also available for Radio Shack and IBM personal computers or

any microcomputer using CP/M operating system. Several titles are available for both micro and minicomputers although a few do require a mainframe.

Functions

In addition to developing, managing, and updating Individual Education Plans, many of the computer-assisted information management systems perform a variety of functions:

- provide demographic information, clinical and educational assessments, medical history, record of related services, and recommended educational prescriptions
- develop, organize, store, edit, and retrieve a data bank of goals, objectives and resources
- store student's objectives, evaluative criteria for objectives, strategies and materials for curricular areas
- develop treatment plans, service plans, lesson plans, and curricula
- include individualized reports, performance level, instructional goals and methodology, objectives, and timelines
- create, monitor, and evaluate IEPs including long-term goals and short-term objectives
- file, record, and print progress reports
- include cross tabulation and statistical summary capabilities
- include multiple language capability
- include student data-base, testing history, program information, IEP management, data search, administrative network
- monitor due process and procedural safeguards to ensure compliance with state and federal regulations

Many of the programs can be modified or customized by the user in order to reflect the goals and requirements of individual classroom teachers and school systems.

References and Sources

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Taber, F.M. (1983). Microcomputers in Special Education. Reston, Virginia: The Council for Exceptional Children.

White, G.T., Jr. (1984). Micros for the Special Ed Administrator. Electronic Learning, 5, 39-42.

Software Directories

The Educational Software Selector. (1985). Water Mill, New York: EPIE Institute and Teachers College Press.

The SpecialWare Directory. (1986). Columbus, Ohio: LINC Associates, Inc.

Swift's Educational Software Directory. (1984). Austin, Texas: Swift Publishing Co.

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The Council for Exceptional Children
Center for Special Education Technology
1920 Association Drive
Reston, Virginia 22091

LINC Resources Inc.
3857 N. High Street
Columbus, Ohio 43214

San Juan Unified School District
Carmichael, California
(916) 971-7262

Data-Based Decisions Project
IEP Software Review

TITLE	PUBLISHER	COMPUTER SYSTEM	COST	UTILITY	SOURCE OF INFO
Automated IEP System (1985)	Harding and Harris, Inc. Reg. Office c/o Bill Allen 507 Walker Avenue Baltimore, MD 21212 (301) 433-2832	Apple II+, IIe, IIc; IBM PC; DOS 3.3	3 Disks $150.00 Added goal back disks $30.00	-3 Disks: 1. Master IEP Form 2. Student IEP's 3. Objectives Disk - Stores and objectives.	LINC
CAMEO (Computer Assisted Management of Educational Objectives	Nancy Prill Brown Multnomah Education Services District P.O. Box 16657 Portland, OR 97216 (503) 255-1841	Hewlett-Packard 3000 (currently) Apple IIe	Compendium of objectives $50.00 Magnetic tape of IEP generation package or objectives package is available, price negotiable.	Provides a listing of proposed or final IEP objectives drawn from a compendium of 7,000 objectives. Teachers identify objectives by codes and specify criteria from choice of 14 formats. Teachers may specify changes in objectives and criteria--or write their own objectives. IEP order forms are sent to a service bureau for processing.	San Juan Unified School District
Child Based Information System	Edward Glennon Central Susquehanna Intermediate Unit P.O. Box 213 Lewisburg, PA 17837 (717) 523-1155	Honeywell Optical Scanner	Objectives Manual, IEP Manual $10.00 per copy or $20 for both, postage included.	Teachers draw upon a listing of developmentally-sequenced objectives to select annual goals and short term objectives for each student's IEP. All assigned objectives for a given student are entered on an annual goal optical scan form. This permits computer processing and analysis of a variety data elements. CBIS also provides a printout with educational terminology for parents specifying accomplishment on assigned objectives. This report is generated by the codes entered on the optical scan progress reporting form and depicts the progression of grades throughout the school year.	San Juan Unified School District
Computer Assisted IEP	Paula K. McCormick Fairfax County Public Schools 10310 Layton Hall Drive Fairfax, VA 22030	Hewlett-Packard 3000 mini computer	IEP Procedure Manual and Objective Bank $10.00	Uses IEP process documents as input into a computer data base. A computerized data bank of instructional objectives is available to teachers.	San Juan Unified School District

TITLE	PUBLISHER	COMPUTER SYSTEM	COST	UTILITY	SOURCE OF INFO
Computerized Educational Plans	Vincent Silluzio Newton Public Schools 100 Walnut Street Newtonville, MA 02160			Produces printed goals and objectives to be used with IEPs. The teacher marks the appropriate goals and objectives on special coding sheets for the types of goal areas (general learning, language arts, mathematics, motor development and speech, language and hearing).	San Juan Unified School District
Computerized IEP System	James M. Caccamo CK Associates 6700 Linden Road Kansas City, MO 64113	Apple II or IIe (with 80 column card) 64k 2 disk drives Printer	10 Disks Operating manual ($25 if purchased separately) 90 day warranty against defects System $800	The system has a bank of 4200 instructional objectives or you can build your own objectives to suit your needs. The Midwest Regional Resource Center and the Missouri Facilitator Center have identified the system as an effective practice in special education. The IEP system is MENU driven and very user friendly. The system: holds 400 students per disk; holds 1600 objectives per disk (comes with over 4200 objectives); has evaluation criteria for each objective; can de-activate students who move without taking them off the system (you can re-activate them when they return; a de-activated student will not show up on your report); will generate a report card (or working document for teachers), which shows the objectives, their criteria, and their status.	San Juan Unified School District
Curriculum Management System (CMS) - 1985	Learning Tools, Inc. 686 Massachusetts Avenue Cambridge, MA 02139 (617) 864-8086	Apples, IBM PC, PCXT	CMS Manager $295.00 CMS Network Option $495.00	-Developing, organizing, storing, editing and retrieving a data bank of goals, objectives and resources. -Applications include developing treatment plans, service plans, lesson plans and curricula. -CMS interfaces with learning tool's IEPs so that goals and objectives can be electronically transferred into a students IEP.	LINC

TITLE	PUBLISHER	COMPUTER SYSTEM	COST	UTILITY	SOURCE OF INFO
Data Storage and Computer Assisted Individualized Education Program System	Glen R. Hammerbacher or William V. Gore Educated Software Route 3, Box 253 Salisbury, MD 21801 (301) 632-2582	IBM 5200 series minicomputer and printer. TRS II, 12 & 16	Sample IEP, table of contents for "menu", file layout, sample reports, transmittal data sheets. IBM program developed through federal project grant. TRS computer programs available for $500	The basic purposes of the system are to reduce the amount of time professionals must spend developing and writing IEPs, to create precise goals and objectives which provide consistency throughout all the schools, and to provide a data base from which reports can be generated to aid special education and related services personnel, and administrators in making important decisions. This currently-operating system has generated over 1200 complete and tailored IEPs, and other reports useful to the target population.	San Juan Unified School District
DPS:BCP (Behavioral Characteristics Program) - 1985	VORT CORP P.O. Box 60132 Palo Alto, CA 94306 (415) 965-4000	Apples, IBM PC	$299.00	-Uses branching techniques to access goals and objectives - entry of master leads and dates -Files, records, prints progress reports and IEP's. -Quick access to 53 goal areas containing over 3500 objectives and methods. -IEP Database.	LINC
Exceptional Services	Steve Dupis Eastern Research Box 555 South Ashburnham, MA 01466 (617) 827-6298		Service bureau produces printed IEPs plus management reports for $12.50 per student.	Teacher completes an IEP draft with all necessary information, including proposed objective codes from a library of objectives. The service provides 24 hour turnaround time, first class return mail, a 4-page IEP with 4 copies each (all originals on bond paper). Management reports include monthly class lists for teachers/specialists alpha student lists, student phone lists, reports for Oct., Jan., and June.	San Juan Unified School District

TITLE	PUBLISHER	COMPUTER SYSTEM	COST	UTILITY	SOURCE OF INFO.
Ex-Ed Functional Analysis System	Ex-Ed Computer Systems Inc 71-11 112th Street Forest Hills, NY 11375 (212) 268-0020	Any micro supporting CP/M-80		-Allows development of 2 phases of an IEP. The student indiv. record and the behavioral objective plan. -Provides demographic info., clinical and educational assessments. Medical history, record of related services, recommended educational prescriptions. -Behavioral objectives portion includes goals, objectives, level of performance, instructional materials. Criteria for measuring achievement. -Student rosters on several criteria. -Optional feature-database for management of instruction. -Can be customized.	CEC
Gacka Computer-Aided IEPs	Curriculum Assoc., Inc. North Billerica, MA				Taber, F, Microcomputers in Spec. Ed. p. 68.
Georgia Learning Resources System	John Eckert Metro-West Center 2268 Adams Drive, NW Atlanta, GA 30318 (404) 352-2637	Apple II+, IIe TRS 80 Model II Add. Equipment required: Scan-Tron Model 1200 optical scanner. Super-serial interface card. Custom designed scanning forms.	Disk program available at no cost; however, inservice is required and a consulting fee is charged.	Produces a recommended list of annual goals and short term objectives in four areas (one part of an IEP). These are the four objective areas: 1. academic 2. preschool or early development 3. speech and language 4. affective behavior (for emotionally disturbed)	San Juan Unified School District

TITLE	PUBLISHER	COMPUTER SYSTEM	COST	UTILITY	SOURCE OF INFO.
IEP Clerk	David McChesney Braxton County Schools 400 Fourth Street Sutton, WV 26601 (304) 765-7101	Microcomputer	Disk Data Management System - Cost not specified	IEP Clerk is designed to assist Special Education personnel in the development and presentation of IEPs. The quality of IEPs prepared using IEP Clerk will depend upon the quality of the goals and objectives entered into the program. The purpose of the system is to reduce clerical effort and is not intended to be a "black box" that will prescribe learning objectives. Neither the system designed to maintain historical records of student progress. The functions of decision making and evaluation student learning are assigned to the persons comprising the placement advisory committee. As an aid to developing IEPs, the system provides a method of storing educational objectives within numbered categories. After these objectives have been stored, Special Education personnel may select any group of objectives, mean of evaluation, and schedule of evaluation for a given student. After all Learning Objectives have been selected for an individual student the IEP is printed.	San Juan Unified School District
IEP Management System	Creative Educational Services 36 River Avenue Monmouth Beach, NJ 07750 (201) 870-643	Apple II, TRS-80, One disc drive, 48K		-Prepares and modifies IEP documents, issues progress reports, prints IEPs in several languages. -IEP Planning document includes evaluation criteria, instructional strategies and materials staff assignments. -Files can be modified by user. -Optional features include prepared data files, multiple language capability, progress reporting system.	CEC

TITLE	PUBLISHER	COMPUTER SYSTEM	COST	UTILITY	SOURCE OF INFO
IEP Print Program	Frank E. Ferguson Curriculum Associates, Inc 5 Esquire Road North Billerica, MA 01862 (800) 225-0248	Apple II w/48k Disk Drive Printer	Student Data Sheet (reproduction master) User's Guide Apple II Disk (3 copies) Catalog # SW-010 NOT AVAILABLE AT THIS TIME Please refer to Talley S.E.M.S. by same company	The teacher does an educational assessment using the BRIGANCE Inventory of Basic Skills. Data from the Student Record Book is analyzed; items important to the IEP are coded onto the Student Data Sheet. Information from the SDS is typed into the microcomputer by teacher, secretary or aide. The IEP is printed as soon as the student data has been entered and (optionally) the data stored on diskette. The IEP Program prints: Student Teacher and School information and Current performance levels in word recognition, reading comprehension, oral reading rate, spelling and math with up to 20 goals and objectives for each IEP. Information for about 200 students can be stored on the diskette for later recall and printing, or for input to user-written programs for other analysis and reporting.	San Juan Unified School District
IEP/Progress Report	Learning Systems 3 Peter Circle Marblehead, MA 01945	Apple II, IBM, TRS-80 microcomputers Digital or Wang minicomputers	Software lease/year for minicomputer $5000 Cost for microcomputer not available	The assessment team completes an information sheet and codes objectives selected from a manual of 9,000 behavioral objectives. After data has been entered by a clerk, a multi-copy IEP report is printed.	San Juan Unified School District
Individual Educational Performance System	Ann Jackson Educom 8 Oak Street Wakefield, MA 01880	Wang 2200 Apple IIe	Software lease/year-- Wang $2500 Software Purchase-- Apple - IEP & Progress Report $495 Data Collect. with above $100.	The IEP System uses a manual of over 11,000 goal sequences. Information is coded by teacher to indicate selected goals/objectives, performance levels and teaching approaches. Produces individual IEPs and Progress Reports as well as a variety of administrative reports.	San Juan Unified School District

TITLE	PUBLISHER	COMPUTER SYSTEM	COST	UTILITY	SOURCE OF INFO.
Individual Educational Plan Special Ed - Data Management System	Learning Systems P.O. Box 15 Marblehead, MA 01945 (617) 631-8968	Apple IIe, TRS-80, IBM PC	$1200.00 $500.00	-Individualized educational plans and progress reports. -2 multi-copy reports result from completion of IEP info sheet this 1-page, dual sided form is completed by staff, resulting in 94-142 consistent reports. -IEP from back of 10,000 objectives. -Monitors individual students. -Management system-data base, prints reports.	Swift's Apple II Edition
Individualized Planning System (IPS) (1985)	Learning Tools, Inc.	Apples, IBM PC, PCXT	IPS Manager $295 permits template design; IPS Planner $195 permits file input & edit only; IPS Reporter $195 may design custom report IPS Network option $795	Stores large, detailed files on individuals, can be printed out as an IEP. User can call on a data bank of curriculum or treatment goals and objectives to create education, treatment or service plans.	San Juan Unified School District
Instructional Management System	Norma Hollingsworth Center for Innovation in Teaching Handicapped Smith Research Center 1508 E. 10th Street Bloomington, IN 47405 (812) 335-5847	Type of microcomputer not specified	1 system w/ back up copy & manual Additional diskettes Additional manual Consulting & Technical Assistance NOT AVAILABLE AT THIS TIME May be later through a publishing co	CITH Instructional Management System is a menu driven interactive software system that enables classroom teachers and administrators to plan and monitor student academic performance. IEP Management Routines enable teachers to record student progress towards Long-Range Instructional Objectives (LRO) by storing student performance data collected on sequenced Short Range Instructional Objectives (SRO). The teacher selects appropriate LRO/SRO's for each student based on	San Juan Unified School District

TITLE	PUBLISHER	COMPUTER SYSTEM	COST	UTILITY	SOURCE OF INFO.
				assessment data and records students' performance towards meeting the criterion performance level for each instructional step. The report generation program enables teachers to instantaneously generate daily, weekly, monthly or yearly progress reports. These reports can be printed for storage in the pupils cumulative record or for sharing with parents at parent conferences. In addition, when the local site microcomputer is linked with the central system these data can be aggregated for reporting purposes and to enable supervisory personnel and teachers to identify instructional procedures and materials that were used to successfully enable students to attain instructional objectives	
Learning Management System (1983) 6 levels - Preschool to Adult	Insight Unlimited, Inc. 3600 E. Memorial Dr. #3 Muncie, IN 47302 (317) 747-1015	Apple IIe, TRS-80 IBM-PC	$14,500	-Data base, sorting, updating, monitoring student progress -Prints IEP reports -Multiple forms including report for parents -Testing -Objective bank	LINC

TITLE	PUBLISHER	COMPUTER SYSTEM	COST	UTILITY	SOURCE OF INFO
Management and Assessment	Bonnie Minick Allegheny Intermediate Unit 200 Commerce Court Bldg. Pittsburg, PA 15219 (412) 394-5834	Hewlett-Packard 3000 minicomputer	Master Resource List of teaching materials & techniques is available for $22 per copy System available through service bureau to which computer input sheets (optical scanner forms) are sent. Costs range from $17 to $39 per student per year.	Based upon student testing information, the teacher identifies goals and objectives from a master listing of skills (unspecified length) in all areas of special education including: self-help skills, speech, language, and academics The computer-generated portion of the IEP includes present level of educational performance, instructional goal areas and short term objectives with evaluation procedures/condition and criteria for success. Based upon mastery tests provided through the program, the teacher may record skill progress and can request information on resource materials available for remediation. The computer generates periodic performance reports which may be used as skill report cards and IEP updates. Additionally, the computer groups students in a teacher's class with similar skill deficits to aid in instructional grouping. Initial diagnostic tests and mastery tests are provided with the system.	San Juan Unified School District
MASTERFILE and MASTERPLAN	Mayer A. Stiskin EX-ED Computer Systems Inc 71-11 112th Street Forest Hills, NY 11375 (212) 2681-0020	Microcomputer using CP/M operating system or Mainframe (Data Point ARC or 1500 or HP3000) IBM-PC (MS-DOS) Apple IIe (under CP/M) 2 disk drives, 80 column screen, printer	MASTERFILE operating sys DB managers, data search and report generator w/ 8 user define modules $595 Trial demo & tutorial disk $50 MASTERPLAN system $295 Separate Disk $2.25-$2.25	The MASTERFILE system provides the ability to collect data in any format to manipulate the data as required to extract information, to design report programs, and to search for and retrieve data on any field and on multiple fields located w/in any page(s) of the system. MASTERFILE provides user with sample data-entry screens and code terminology. The user is completely free to either use the sample materials "as is", to modify them, or to ignore them and design her own format.	San Juan Unified School District

TITLE	PUBLISHER	COMPUTER SYSTEM	COST	UTILITY	SOURCE OF INFO.
				The sample screens cover the following "modular areas": -Student Demographics (SPR) -Student Medical Record -Review Data & Clinical Assessment Records -Related Services -Record of Academic Evaluations -Student Management Needs (annual behavior goals) -Student Mainstreaming (regular class integration) MASTERPLAN objectives banks are available for many areas. Behavioral Objective Plans can be printed by individual student, or entire class.	
MEAD (Modular Educational Achievement Descriptor)	Herman Dick Oakland Schools 2100 Pontiac Lake Road Pontiac, MI 48054 (313) 858-2051	Main Frame - IBM 370 series or 3000 DOS series Micro - Apple IIe Plus, IBM PC $ not determined 3/1/84 Available 8/1/84	Over 65 catalogs of objectives w/ criterion items for all skill areas, preprimary - high school. From $5 to $50	MEAD is a comprehensive computer based instructional support system that will assist the teacher to manage classroom instruction for all categories of handicapped students. Objectives, criterion items & instructional components are available for preprimary, elem. second. and trainable students. Content areas include prevocational components for home economics, industrial arts; a K-9 activity-based science pkg; and an activity-oriented social studies package of Geography, American Government, & U.S. History. Each component includes content lessons with emphasis on skill development, business & employability skills for all categories of handicapped students. MEAD assists the teacher in planning an individualized instruction program for each student. The teacher selects which Annual Goals & Short Term Objectives should be taught and learned. Performance objec-	San Juan Unified School District

TITLE	PUBLISHER	COMPUTER SYSTEM	COST	UTILITY	SOURCE OF INFO
				tives further define the task and provide instructional content to support the Annual Goal and Short Term Objectives. The teacher uses computer technology, mainframe or micro, to create the IEP plan, to monitor IEPs, and to record student progress. The progress record is stored and added to over time thereby creating a longitudinal record for each student	
Michigan Teacher Support System	Tom Hartsig Macomb Intermediate School District 44001 Garfield Road Mount Clemens, MI 48044	Mainframe computer information not provided	System was developed upon Title IVC grant with the MI Dept. of Education. No price info was given.	MTSS is designed to support the teacher in the learning process. The system can provide a detailed analysis on each student and correlation of skills among groups of students. MTSS can provide a selection of instructional resources which relate to the individualized student profile. This information can be the means to support the teacher in promoting individualized instruction. The MTSS will provide reports on the learning progress of each student and/or group of students by supplying: student progress reports appropriate for parent conferences, and individualized objective reports which illustrate thru examples, those skills on which a student is currently working. Although an individualized reporting system providing objectives, this system does not produce an IEP.	San Juan Unified School District
Micro-IEP System	Screening and Tracking Corp. of America 20 Kent Street - 2nd Floor Brookline, MA 02146 (617) 738-5600	Apple, Atari, Commodore; C/PM based machines	$3395	-Note-taking form. Coded data entered with self-correcting menu-driven program. Stores statistical and service delivery information and prints a complete IEP in format desired by user. -1800 objectives provided in starter set-may be added to, edited or deleted. -Objectives may be written 2.2 million different ways.	SpecialWare, 1983

TITLE	PUBLISHER	COMPUTER SYSTEM	COST	UTILITY	SOURCE OF INFO
Microcomputer Management of Special Education	Susan A. Cassidy-Bronson Cecil County Public School Booth Street Center Elkton, MD 21921 (301) 398-0400, Ext. 45	TRS-80 Model III with 2 disk drives	Data input is by optical scan card reader. $ contact staff.	The microcomputer Management of Special Education software pkg: -Monitors due process and procedural safeguards by specifying the status of 21 administrative procedures as being completed or ongoing. -Stores demographic information on students, including name, address, phone, etc. Fifteen separate items for each student can be stored. -Stores data including:students objectives, evaluative criteria for objectives, and strategies and materials for curricular areas. -Prints a complete Individual Education Program (IEP) for students including: -Part I (strengths & weaknesses demographic data, implementation data, numbers of hours in regular and special education, space for test data and student goals). -Part II (prints objectives, evaluative criteria, strategies and materials utilizing the curriculum data stored).	San Juan Unified School District
Modular Student Management System	Educational Systems Falls Church, VA	Taber, F., Microcomputer in Special Education, p. 68.			
Modularized Student Management System (MSMS-1982)	Education Turnkey Systems 250 N. Washington St. Falls Church, VA 22040	Apples, Franklin; DOS 3.3	$1,995	-Assists in administrative and instructional recording tasks by monitoring procedural safeguards, managing instructional objectives and printing IEP documents. -5 student modules, 3 administrative. -Student data-base, due process tracking, testing history, individual monitoring, IEP's -Administrative data search, user defined objective bank, network to central office.	LINC; Electronic Learning

TITLE	PUBLISHER	COMPUTER SYSTEM	COST	UTILITY	SOURCE OF INFO
Modularized Student Management System	Microcomputer Education Applic. Network (Mean)		Operating System $985 Each additional pupil module $485 Admin. Modules $650	8 Modules: Demographics, procedural safeguards, testing data, program info, IEP Management, Data Search, Objectives Bank, Administrative network	Swift's Apple II Edition
ORBIT II	Montgomery County Public Schools 850 Hungerford Drive Rockville, MD 20850 (301) 279-3463	Mainframe (unspecified)	Resource Manual (4000 objectives) $35 fee to cover duplication and processing cost. Check to: Mont. Co. Schools, Ed. Services Center, Dir., Div. of Data Processing Operations, Rm. 1131, 850 Hungerford Rd	On-line computer system creating IEPs with Goal Areas, Annual Goals and Short Term Objec. linked to each other. 64 Goal areas can be classified into 7 categories: specific content areas, communication skills, sensory development, social emotional skills, survival skills, vocational goals, and citizenship goals. Instructional team members (teachers, etc) can develop and modify the bank of objectives, instructional materials, strategies & diagnostic test items as needed to reflect IEP goals.	San Juan Unified School District
Package 1 "Data Base" Package 2 "Basic Service"	Sysdata International, Inc 7671 Old Central Ave. NE Minneapolis, MN 55432 (612) 780-1750	Apple II		-Package 1 - Data Base-Basic Data, reports, mailing labels. -Package 2 - Basic service reports including class loads, conferences. IEP services. Requires interface with Package 1.	SpecialWare 1983
PIE (Programming for Individualized Education	Douglas Archer Green Valley Area Education Agency 14 Green Valley Road Creston, IA 50801	Apple II, Pet	User manual Program installation includes one day of training: $2500-3000	The system uses as input demographic information, diagnostic clinical information, intervention history (staffing, planning, documentation), and matches area(s) of need with appropriate instructional objectives & materials/method.	San Juan Unified School District
Planning Individualized Speech and Language Intervention Programs - Computer Software Adaptation				-for communication impairments.	LINC

TITLE	PUBLISHER	COMPUTER SYSTEM	COST	UTILITY	SOURCE OF INFO
PRISM REKORD: Special Education Coordinators Version	Dr. John J. Premer The Psychological Corp. 757 Third Avenue New York, NY 10017 (212) 888-3500	Apple II, II+, TRS-80 Model III 48k, disk drive, printer	Users manual, tutorial disk & 6 program diskettes $495.00 Additional single copies of diskettes $75.00	REKORD stores personal student data, emergency and medical info., class schedule, placement and services, assessment, IEP information, performance & parent info. Any or all stored info. can be recalled for any student or group of students. The number of records stored on each disk is determined by the number of data fields used (20 fields for 900 students, 40 fields for 400 students).	San Juan Unified School District
Project Assist	Project Assist School District 270 1001 Highway 7 Hopkins, MN 55343 (612) 933-9201	(Automated Special Services & Student Tracking Apple II		3 Components: 1. Staff and Budget Information 2. Student demographic data, due process, IEP information. 3. Dates of conferences, referrals, service providers, etc. -uses commercial software - O.B. Master by Stoneware	CEC
Project IEP	Evans Newton, Inc. 7745 East Redfield Road Scottsdale, AZ 85260 (602) 998-2777	Commodore, Apple II + 48k Optical cord reader	$1500	-system for creating, monitoring and evaluating IEPs -monitors minimum requirements for initial placement; student home, and medical information; student diagnostic information, student prescriptions. IEP evaluation criteria, long term goals, plus day-to-day monitoring of short term objectives. -17 reports -menu driven programs assist in text editing, text scoring, class files, and objective files.	CEC

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Project PERFORM	Audrey Gomon, Ph.D. Disseminator/Trainer Ingham Intermediate School District 2630 W. Howell Road Mason, MI 48854	IBM 4341 computer with 2 megabytes of internal memory & additional disk storage; systems software; & modem for remote data entry.	PERFORM objectives catalog (a guide of 8000 objectives with assessment procedures & performance criteria) is divided into 9 volumes: Physical, Perceptual, Language, Conceptual, Personal, Recreational, Vocational, Social & an index @ $118 Assessment materials @50 Priority Cluster Curricula for TMI, SMI, SXI, Autism @ $10 & Data processing is contracted by districts w/ the project district at an average rate of $30 student/year.	Project REFORM's 8000 criterion referenced performance objectives printer in a 9-section catalog provide a resource from which parents and professionals select goals which are processed as INDIVIDUAL EDUCATIONAL PLANS. Achievement is later processed as PROGRESS REPORTS. The teacher selects 20-60 possible objectives for the student; a 6 digit # for each objective is entered on the "Possible IEP" input sheet. After a data entry procedure, the computer prints a readable 5-15 page report listing the optional objectives for the student. The "Possible IEP Report" is mailed to parents for their study one week before the yearly Individualized Educational Planning conference The proposed plan in reviewed & revised by the team & a 3 copy IEP is produced at the meeting. Items from the proposed plan are accepted at the meeting. Items from the proposed plan are accepted or rejected by circling yes/no on the report. Objectives are targeted for Trainably, Severely & Profoundly and Multiply Mentally Impaired and Autism students. Reports give Annual Goals, Short Term Instructional Objectives, Present Level of Performance and Assessment schedules & Procedures in compliance w/ federal regulations.	San Juan Unified School District

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Project Recipe	Sarasota City Public Schools 4747 South Tamiami Trail Sarasota, FL 33581 (813) 924-5800	Apple, TRS-80 Model, II,12,16		-Recipe (Research Exchange for Computerized Individualized Programs of Education) to assist with creating IEP's -Includes instructional objectives, criterion-referenced assessment system instructional strategies. -management component-tracks and records progress. -may be used to store and manipulate student demographic and program data as well as to fulfill the requirements of IEP and progress reporting.	CEC
Public Child-Based Information System of the Central Susquehanna Intermediate Unit Lewisburg, PA					Taber, F. Microcomputers in Special Education, p. 68.
Putting it all Together	Insight Unlimited, Inc. (317) 747-1015 - Indiana	Hardware unspecified		-company that provides a comprehensive computerized pupil tracking and IEP service. -analyze test scores -monitor long and short range instructional goals. -will customize -new short range goals are generated based upon local objectives when previously generated goals have been mastered -CEC integrated system running on large computer providing testing/screening and IEP development.	Behrmann, M., Handbook of Microcomputers in Special Education, p. 171
R.E.C.I.P.E.	EAS, Inc.	TRS-80	$400	-comprehensive package of goals and objectives which allow automatic generation and monitoring IEPs. -requires EAS class master module.	TESS (1985)
SEER (TM) Special Ed Register	MOSBD Cooperative Corp.	Apple		-stores information for up to 1600 students. -16 statistical reports -12 program management reports	TESS (1985)

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SEIMS (Special Education Information Management System)	Betsy Weaver School Committee, City of Boston 26 Court Street Boston, MA 02108 (617) 726-6200, ext. 5933	Mainframe (type not specified)	Manual for objectives (350 pages) & for forms completion (150 pages). Cost not specified.	The SEIMS is a process of gathering, storing, sorting & reporting the ongoing status of a referred, placed or served Special Needs student. SEIMS has the capability to print IEPs and numerous other types of student status reports. Student and IEP information are gathered through data forms which follow the procedural & planning steps leading to the IEP. The Directory of Goals & Objectives contains 3760 specific student objectives which are written in a manner to insure that each objective has conditions, behavior, results and criteria. Each objective may be written over 100 different ways by using a simple coding system. Each objective statement may be printed either as a Current Performance Level or a Future Goal & Objective. The Objectives are categorized in 8 Goal Areas - Cognitive, Social-Emotional, Self-Help, Language, Motor, Perceptual/ Sensory, Speech, & Vocational There are 165 Sub-Goals within the 8 Goal Areas which helps further categorize the Objectives.	San Juan Unified School District
SERVE (Special Education Review, Verification and Evaluation)	Gregory Smith Educational Research Consultants 4436 Engle Road Sacramento, CA 95821 (916) 483-6417	Apple II, IBM-PC ALTOS, Most CP/M based systems	COBOL program software for mainframe sold under an operating license. (negotiable) Microcomputer version using dBase II in CP/M available for $3000 (one time charge under license agreement).	System produces IEP face sheet with student information from previous IEP meeting. Class lists are produced for program managers, as well as various student count reports such as December pupil count Unduplicated & program summary counts Total services System is designed to edit all data entered. Immediate recall of pupil information is available through pupil inquiry. Installed references available. Program to computer generate goals & objectives from test scores under conversion from mainframe to microcomputer--available in Spring 1984.	San Juan Unified School Districts

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Special Education File	Tony Anderson Anderson Software 19751 Caprice Drive Yorba Linda, CA 92686 (714) 970-7511	Apple II, Applesoft language 48k	The system is supplied one two copyable disks with a complete 50 page instructional manual Full price is $199.95	The system provides reports that assist school district officials is monitoring on-going programs for exceptional pupils as well as in complying with the requirements of Public Law 94-142 and the California Master Plan. Pupil files are easily entered clerical personnel. Each disk holds up to 350 pupil files, consisting of 13 items of info. per pupil. The computer organizes the information and prints various reports, including: Class lists for each teacher Summaries of each program Complete pupil counts: -Pupils counted & sorted by age & program -New placements since any selectable cutoff date -%age of total district enrollment represented by the special education population.	San Juan Unified School District
Special Education IEP System	Control Data, Corp. Box O Minneapolis, MN 55440 (612) 853-4377	Control Data 110 Microcomputer		-system consists of hardware, software and services. -major functions: adding and changing school building and district data; formatting an IEP, federal and district planning reports; lists; performance areas, services, and learning environments for IEP development. -IEP reports: disability, referral listing, services provided, regular education participants, and IEP document.	CEC

TITLE	PUBLISHER	COMPUTER SYSTEM	COST	UTILITY	SOURCE OF INFO.
Special Education Information System 6 components	Sysdata International, Inc 7671 Old Central Ave., NE Mineapolis, MN 55432 (612) 780-1750	Apple II	U-Format $275 - prints IEP documents	5 individual components sold separately: Package I - Data base: lists, reports. II - Basic IEP info.: caseloads, terminations, conferences due. III - Basic due process info.: referral, assessment, placement. IV - Flexible report generator. V - Student Incident System.	CEC
Special Education Management System	Numerical Associates 976 West Foothill Blvd. Suite 203 Claremont, CA 91711	Any Z-80 Based System with CP/M (TRS-80, Apple)		-student info. review, IEP updates. -word processing, budgeting, personnel, note pad. -Unknown: capability to store comprehensive student data or generate IEPs.	CEC
Special Education Management System (SEDMS)	Learning Systems 3 Peter Circle P.O. Box 15 Marblehead, MA 01945	Apple II, DEC, IBM Wang		-development of IEPs and progress reports. -69-99 fields of information for each student record. -individualized student management component-individualized reports, performance level, instructional goals and methodology, objectives, timelines. -support programs available-personnel accounting package and learning objectives manual.	CEC
Student Services Record System	Educational Services Management Corporation P.O. Box 12599 Research Triangle Park, NC 27709 (919) 781-1500	Apple		-tracking delivery of services. -90 fields of information.	CEC
Talley Special Education Management System (SEMS) (1983)	Curriculum Assoc., Inc. 5 Esquire Road North Billerica, MA 01862 (800) 225-0248	Apples, IBM, Radio Shack	$2500	-provides student data files, IEPs, letters to parents, mailing labels, staff notices, government statistical reports. -master list of goals and objectives - flexible.	LINC

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Talley Goals and Objectives Writer (1985)	Curriculum Associates, Inc 5 Esquire Road North Billerica, MA 01862 (800) 225-0248	Apples, DOS; IBM PC, MS/DOS; Radio Shack, TRS-80 models 3 or 4, LDOS	$149.95, Optional disks $50-70	-prints goals and objectives for IEPs. -up to 8 goals and 48 objectives for student can be printed. -optional objectives disks.	LINC
Most recently sold as Talley Special Ed Management System Computer Managed Special Education System	A.U. Software P.O. Box 597 Colleyville, TX 7607? (817) 267-5236 (800) 225-0248	Hardware: Apple, TRS-80, IBM PC, ALTOS (CP/M)	$2500.00	-Includes student files, annual goals and instructional objectives, and IEP generation and storage features. -Student file-Demographic info. data assessment, data and info. on individual program planning. -Instructional goals and objectives tailored. -Cross tabulation and statistical summary capabilities. -Monthly update feature of services required by student.	CEC
Target Management System (1983)	Teaching Pathways, Inc. 121 E. 2nd Avenue Amarillo, TX 79101 (806) 373-1847	Apples, Radio Shack	$1295 for set	-basic skills curriculum for instruction and management taking the teacher from observation to diagnosis to instruction to mastery. -provides behavioral objectives teaching activities, criterion-reference measure. -computerized IEP program, classroom screening instrument.	LINC, SpecialWare, 1983
UNISTAR I Pre-IEP	Southern Micro Systems P.O. Box 1981 Burlington, NC 27215 (919) 226-7610 collect	Apple, TRS-80 model II	$350.00	-for children with learning disabilities and those at high risk but not labeled.	CEC
UNISTAR II+ (1984)	ASIEP Education Co. P.O. Box 12147 Portland, OR 97212 (503) 236-1317	Apple, IBM PC	$470.00	-generates IEPs that contain all components required by law. -individual functioning level charts. -over 1600 goals and short-term objectives and a student data analysis and summary system. -can automatically select appropriate goals and objectives for the student based on the present functioning level data entered in the program.	LINC
	Learning Tools 686 Massachusetts Avenue Cambridge, MA 02139 (617) 864-8086	Apple, IBM, DEC		1. Administrative Planning System 2. Curriculum Management System 3. Individual Planning System - used to plan, keep records and write reports for individual students.	SpecialWare 1983

Footnotes

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2. Besides the author, another project staff member, Shara Walters, contributed to the development of this document.